



Tsinghua University
Department of Physics

Thursday Colloquium 2012

Fall

Open Questions in GRB Physics

Abstract

The current open questions in the field of gamma-ray bursts are reviewed, which include progenitor, central engine, jet composition, jet dissipation mechanism, radiation mechanism, and origin of afterglow. In particular, I will discuss how new observational data demand shift of paradigm of the standard theoretical framework. Prospects in the multi-messenger era will be discussed.

Speaker

Bing Zhang received his B.S. in Geophys and Ph.D. in Astrophys from Peking University in 1991 and 1997, respectively. He joined the the Department of Physics and Astronomy, UNLV in 2004 and became a professor there in 2010. He is also a Cheung Kong Scholar and Visiting Professor in Kavli Institute of Astronomy and Astrophysics and Department of Astronomy, Peking University since 2012. He has authored or co-authored more than 200 scientific papers published in professional journals, including 9 in *Nature* and 2 in *Science*. These papers are cited more than 10,000 times. And his “h-index” reaches up to 62.



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2012-11-29 16:00

Zheng Yu-Tong Lecture Hall, New Science Building

Bing Zhang

Professor